

ABSTRACT OF THE DISCLOSURE

In a method as well as a device to process measurement data that are composed of a number of data sets with a number of independent random samples originating via temporally successive measurements, for a comparison of the time curve of each acquired random sample with the time curve of a model function using the general linear model, the required calculations are implemented data set-by-data set in a series of the data sets originating from the temporal sequence of measurements, and stored as an intermediate result, with the intermediate results of the directly preceding data set being updated with the new calculations. The comparison can be calculated efficiently and quickly, with a saving of storage space.

CH1\4071257.1